

withdraw. non-aut. circuit-b. without guide frame 4-pole, size I, IEC In=800A to 690V, AC50/60Hz Icu=66kA at 500V rear connection horizontal without overcurrent release With manual operating mechanism with storage with mechanical request without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 48 V DC 4NO+4NC

Model	
product brand name	SENTRON
product designation	ACB
design of the product	IEC 60947-2
design of the actuating element	Pushbutton
type of the driving mechanism	Manual operating mechanism with mechanical closing
type of the driving mechanism / motor drive	No
design of the overcurrent release	without
General technical data	
number of poles	4
size of the circuit-breaker	1
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage U_i	1 000 V
insulation voltage / rated value	1 000 V
operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Protection class	
protection class IP	IP20
• protection class IP / on the front	IP20
• protection function of the overcurrent release	without
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	65 W
• maximum	195 W
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Auxiliary circuit	
number of NC contacts / for auxiliary contacts	4
number of NO contacts / for auxiliary contacts	4
Suitability	
suitability for use	Contact unit without release
Product details	
product component	
• trip indicator	No
• voltage trigger	No
• undervoltage release	Yes
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	Yes
Product function	
product function	
• grounding protection	No
Display and operation	
display version	without display

Short circuit	
operating short-circuit current breaking capacity (Ics)	
<ul style="list-style-type: none"> at 415 V / rated value at 500 V / rated value at 690 V / rated value 	66 kA 66 kA 50 kA
maximum short-circuit current breaking capacity (Icu)	
<ul style="list-style-type: none"> at 415 V / rated value at 500 V / rated value at 690 V / rated value 	66 kA 66 kA 50 kA
Connections	
arrangement of electrical connectors / for main current circuit	without guide frame
type of electrical connection / for main current circuit	Blade contacts
Mechanical Design	
height	411.5 mm
width	401 mm
depth	337 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
<ul style="list-style-type: none"> minimum maximum 	-25 °C 70 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> minimum maximum 	-40 °C 70 °C
Further information	

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1108-3AA45-1AL4>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-3AA45-1AL4>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

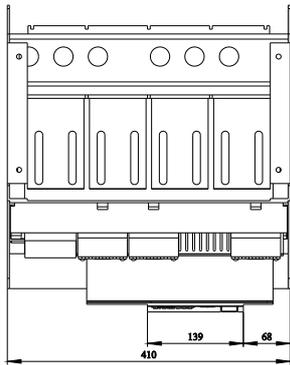
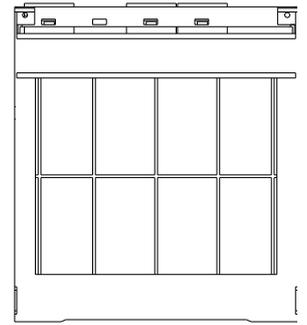
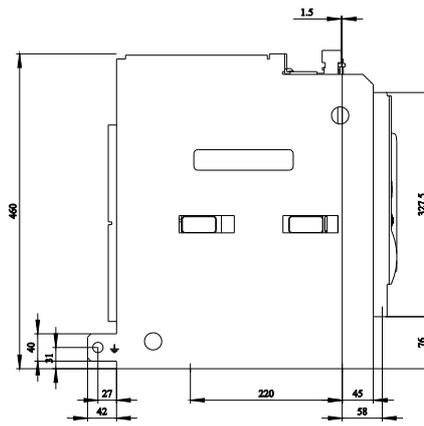
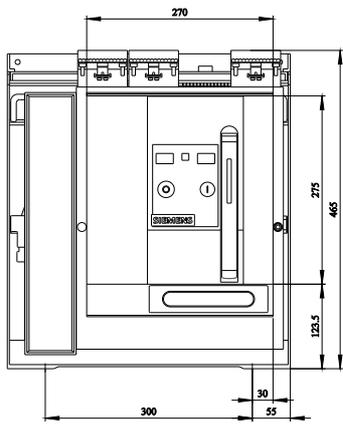
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-3AA45-1AL4

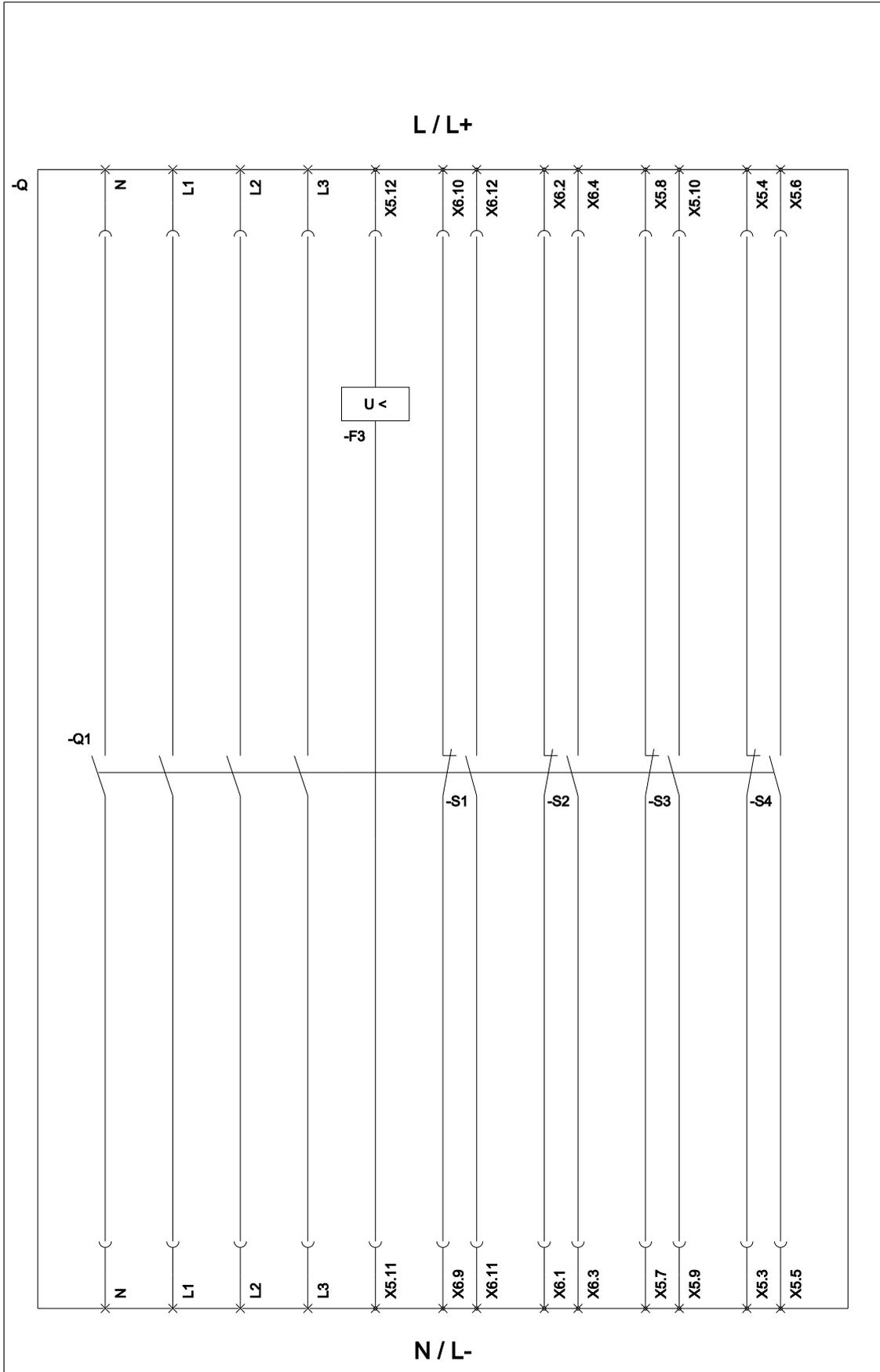
CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>





F3 (Undervoltage release / Unterspannungsauslöser); S1 - S8 (Auxiliary switch / Hilfsschalter);

last modified:

12/6/2022 